

EXHIBIT VB-5

ALLOCATIONS OF FM STATIONS UNDER THE CANADA & UNITED STATES AGREEMENT

HE'S ALIVE, INC.
AMENDMENT TO APPLICATION FOR A NEW
NON COMMERCIAL FM STATION
MURRYSVILLE, PENNSYLVANIA

Channel 201A

0.05 kW

67.1 Meters

The proposed FM station's transmitter site is located 219 km from the Canada/United States border. The proposed FM station operates on Channel 201A (88.1 MHz), with an effective radiated power (ERP) of 0.05 kilowatts (kW), and an effective antenna height above average terrain (HAAT) of 67.1 meters. The maximum parameters and minimum separation for Class A station under the working agreement between United States and Canada are as follows:

Maximum Parameters

| Class A | Effective Radiated Power Antenna Height Above Average Terrain | | | Terrain | 3.0 kilowatts 91.4 Meters |
|---------|--|------------|------------|------------|------------------------------|
| | <u>Minimum Sep</u> | aration i | n kilomet | ers | |
| Class A | Co-ch | <u>200</u> | <u>400</u> | <u>600</u> | |
| | 144.8 | 80.5 | 40.25 | 32.2 | |

The proposed FM station's effective radiated power (ERP) and effective antenna height above average terrain (HAAT) are less than the maximum parameter allowed. The proposed site is located a distance of 219 km from the Canada/U.S. border, which is greater in distance than the minimum separation requirement for any class of station. Therefore, this instant proposal satisfies all requirements under the working arrangement of the U.S./Canadian agreement of 1947.

DECEMBER 1990 40 dBu 54 dBu WRCT (60 dBu FILE no. BLED-840419DP **Proposed** Site **WVBC** 60 dBu

EXHIBIT 6

HE'S ALIVE, INC.
AMENDMENT TO APPLICATION FOR A NEW NON COMMERCIAL FM STATION MURRYSVILLE, PENNSYLVANIA

Channel 201A

0.05 kW

67.1 Meters

Prepared By
LECHMAN & JOHNSON, Inc.
TELECOMMUNICATIONS COMMULTANTS
LANKAM, WARYLAND

EXHIBIT VB-7A

TV CHANNEL 6 INTERFERENCE STUDY

HE'S ALIVE, INC.
AMENDMENT TO APPLICATION FOR A NEW
NON COMMERCIAL FM STATION
MURRYSVILLE, PENNSYLVANIA

Channel 201A 0.05 kW 67.1 Meters

The nearest TV Channel 6 station to be evaluated under Section 73.525 of the Rules is WJAC-TV, Johnstown, Pennsylvania. WJAC-TV is located 63 km east of the proposed site as shown on Exhibit VB-7B. The proposed site is outside of WJAC's Grade A contour.

The interference area was computed as follows. Eight points were chosen from outside of the Grade A contour and inside of the Grade B contour of WJAC-TV. A lotus of four points were located on the 66 dBu contour of WJAC-TV referenced to radial bearings of 0° T, 225° T, 270° T and 315° T from the proposed FM site. The other four points were located on the 67 dBu contour of WJAC-TV (radial bearing 45° T, 90° T, 135°T, 180° T from the proposed site). For the WJAC-TV's 66 and 67 field strength contours, the appropriate undesired-to-desired signal ratio for Channel 201 are -4.25 dB and -4.5 dB respectively (U/D values are obtained from Section 73.599, Figure 1). For the WJAC-TV's 66 dBu and 67 field strength contours, there is an associated FM F(50,10) interference signal strength of 61.75 dBu and 63.5 dBu respectively. An adjustment of 6 dB was added to the proposed FM station's interference contour in accordance with Section 73.535(e)(i)(iii) to compensate for TV receiving antenna directivity. These values are given in Table V. Exhibit VB-7B is a map showing the interference area drawn from the data contained in Table V.

Television Station WPXI, Pittsburgh, Pennsylvania is located 24 km west of the proposed FM site as shown in Exhibit VB-7B. WPXI is an NBC affiliate operating on Channel 11. WJAC also is an NBC affiliate. The predicted TV Channel 6 interference area is within the city grade contour (77 dBu) of WPXI and completely outside of WJAC-TV's ADI Market. In accordance with Section 73.535(e)(3)(iii), the population outside the Grade A contour of WJAC-TV and within the interference area that lies within the city grade contour of another station carrying the same programming material can be subtracted from the number of people predicted to receive interference because of network duplication. Therefore, the number of people predicted to receive interference is none as shown on Exhibit VB-7B. Since the number of people within the interference area is less than 3000 people, this instant proposal is in compliance with Section 73.525 of the Rules and Regulations.

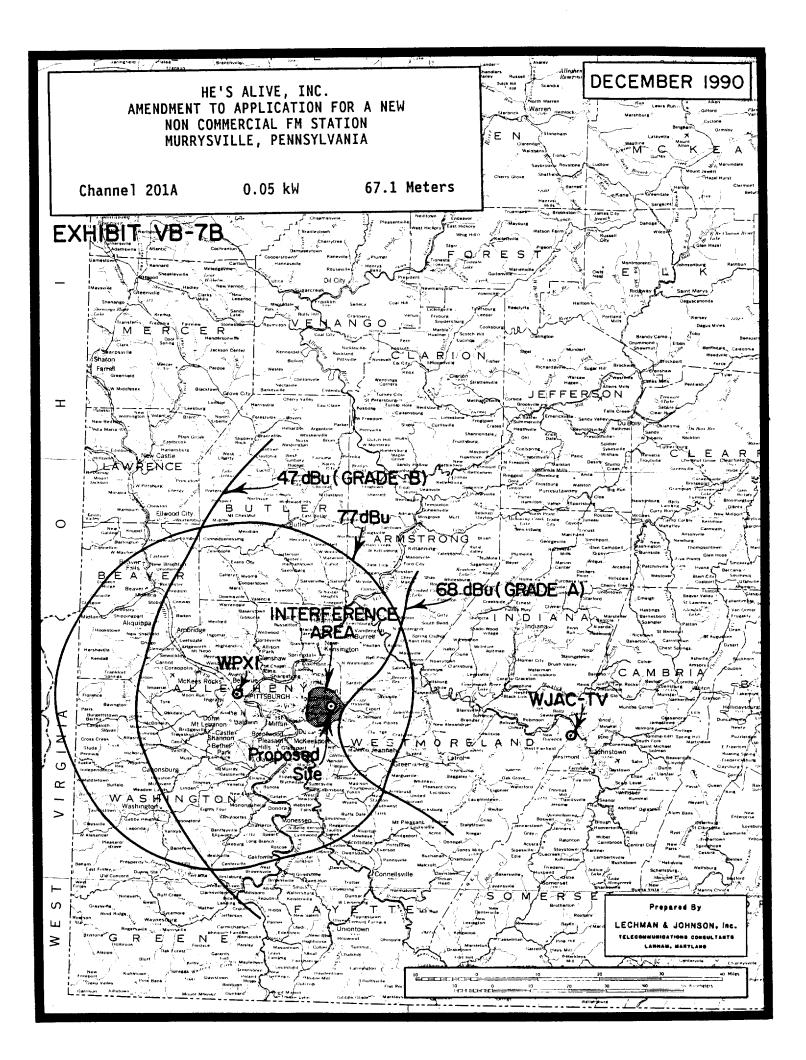


EXHIBIT VB-8

RADIATION LEVEL

HE'S ALIVE, INC. AMENDMENT TO APPLICATION FOR A NEW NON COMMERCIAL FM STATION MURRYSVILLE, PENNSYLVANIA

Channel 201A

0.05 kW

67.1 Meters

The following calculations are performed in order to determine, whether the proposed FM station has significant environmental effect.

<u>Computations</u>

FM Facilities

The calculations to determine power density (mW/cm²) and power density level of all FM facilities are computed by using the following equation.

Power density in mW/cm² (S) =
$$\frac{(0.64) (1.64) (Total ERP in Watts) (1000 milliwatts 1 watt)}{\pi (Center of Radiation in cm)2}$$

For the proposed FM facility, the total ERP is 0.10 kW and the center of radiation is 30 m. Therefore, power density for the proposed FM facility is 0.0035 mW/cm^2 .

TV Facilities

The calculations to determine power density (mW/cm^2) and power density level of TV facilities are computed by using the following equation.

Power density in mW/cm² (S) =
$$(2.56)$$
 (1.64) 100 (F²) (0.4 VERP + AERP) 4π (center of radiation in meters)²

For WPTT(TV) Station, VERP is 5000 kW, AERP is 500 kW, F is 0.1, and center of radiation is 243.6 meters. Therefore, power density for WPTT (TV) is 0.014 mW/cm².

Conclusion

The computation of the power density for the proposed FM station was performed in accordance with OST Bulletin No. 65, Evaluating Compliance with FCC specified Guidelines for Human Exposure to Radiofrequency Radiation. The power density of the proposed FM facility is $0.0035 \, \text{mW/cm}^2$. The power density of WPTT(TV) is $0.014 \, \text{mW/cm}^2$. The total power density for the TV and proposed FM facilities is $0.0175 \, \text{mW/cm}^2$. Since this value is less than 1.0, the proposed facility is in compliance with OST Bulletin No. 65 and the ANSI standards.

| | | | | FOF | COMMISSIO | N USE ONLY | | |
|---|-------------------------------------|-------------------|---|----------------|---------------------------------------|-------------------|--------------|---------------|
| | | | | | No. | | | |
| Section | V-B - FM B | ROADCAST E | NGINEERING DATA | ASI | B Referral Da | ite | | |
| | | | | | erred by | | | |
| Name of Applic | ant | | | | <u> </u> | | | |
| | | | | | | | | |
| <u>HE'S AL</u> Call letters <i>Lif</i> | IVE. INC. | | | | | | | [Y] |
| Jan lottors (77 | ,33004, | | Is this application | on being filed | in response | to a window? | Ш ' | Yes X |
| NEW | | • | If Yes, specify | closing date: | | N/A | | |
| Purpose of Ap | plication: I chec | k appropriate b | oox(es)] | | | | | |
| X Constr | uct a new (mair |) facility | | Construc | ct a new aux | iliary facility | | |
| Modify | existing constr | ruction permit | for main facility | Modify | existing cons | truction permit | for auxil | iary facility |
| Modify | licensed main | facility | | Modify | licensed auxi | liary facility | | •• |
| If purpose is t | o modify, indica | te below the r | nature of change(s) and | d specify the | file number(s |) of the author | izations a | ffected. |
| Antenr | na supporting-st | ructure height | • | X Effective | e radiated po | wer | | |
| Antenr | na height above | average terrain | | Frequen | су | | | |
| Antenr | na location | | | Class | | | | |
| Main S | Studio location | | | X Other (| Summerize bri | of lyl | | |
| | | | | To am | nend BPED- | -900606MC | | |
| File Number | r(s) BPED-900 | 606MC | | | | | | |
| 1. Allocation: | | | | - | | | | |
| | | | | | | Class icheck | aniu ana | har halami |
| Channel No. | | Principal | community to be sen | ved: | | | | |
| 201 | City | | County | | State | X A |] B1 | B |
| | Murrysv | ille | Westmorela | nd | PA | C2 [| _ c1 [| □ □ □ |
| 2. Exact location | on of antenna | | | | | | | • |
| (a) Specify a | address, city, co | unty and state. | If no address, specif | y distance and | t bearing rela | tive to the nea | rest town | or landma |
| 2.4 km | and 307° T | rue direct | ion of Murrysvi | lle Post C | office. (E | Existing WP | TT-TV t | cower, |
| _ | eny Co., Mo | | | | | | | |
| | | | icond). If mounted on cify South Latitude or | | | | | |
| | ongitude will be | • | city South Latitude Of | Last Longitud | ia wilata app | incable, Cities w | 130, (40)(11 | Carridge C |
| | | <u> </u> | | | · · · · · · · · · · · · · · · · · · · | | | |
| Latitude | 40 | 26 | 23 | Longitude | 79 | | | 11 |
| 3. Is the suppo | orting structure | | at of another stations | s) or proposed | d in another | pending | x | Yes |
| If Yes, give | e call letter(s) o | r file number(s) |) or both. | WPTT-TV | Liscense | ee Ch.22 | | |
| 14 | . tarra t | | | | | | | |
| | involves a char opurtenances, an | | f an existing structure w. | , specify exis | ring height al | oove ground le | vei includi | ing antenna |
| J up | | - "g"""""9) II OI | ••• | No obono | og to the | WPTT-TV ex | ristino | tower |

| | the application propose to correct s, list old coordinates. | previous site coordina | ates? | | | L | Yes | X No |
|-----------|--|---------------------------------------|----------------------|-------------|--------------------|------------|--------------------|-----------|
| Latitude | 0 | | Longitude | 0 | | , | | ., |
| If Ye | he FAA been notified of the propose, give date and office where notion mination, if available. N/A | | h as an Exhibit a c | copy of FA | Α | | Yes Exhibit No N/A | X No |
| C liet o | | | anno and harring f | rom etructi | ro to pos | rost poin | nt of the | 0035051 |
| runw | · | | | TOTT STRUCT | | | | |
| , | Landing Area | Dis | stance (km) | | Веа | ring (degi | rees True) | |
| (a) | Pittsburgh- Monroevil | 3.75 | | | 2 | 82° | | |
| (p) | _Wyatt (Pvt) | 7.15 | <u></u> | | 1 | 24° | | |
| 7. (a) El | evation: Ito the nearest meterl | | | | | | | |
| (| 1) of site above mean sea level; | | | | | 371. | 9n | neters |
| (| of the top of supporting structure appurtenances, and lighting, if an | · · · · · · · · · · · · · · · · · · · | uding antenna, all o | ther | | 252. | 7n | neters |
| (| 3) of the top of supporting structu | ire above mean sea le | vel [(a)(1) + (a)(2 | » 1 | | 624. | 6n | neters |
| (b) H | deight of radiation center: Ito the | nearest meteri H = 1 | Horizontal; V = Ver | rtical | | | | |
| (| 1) above ground | | | | | 30 | n | neters (H |
| | | | | | | 30 | r | neters (V |
| (| 2) above mean sea level [(a)(1) | + (b)(1)] | | | | 401.9 | n | neters (H |
| | | | | | | 401.9 | n | neters (V |
| (| 3) above average terrain | | | | | 67.1 | n | neters (H |
| | | | | | | 67.1 | n | neters (V |
| in Q | th as an Exhibit sketch(es) of the s luestion 7 above, except item 7(bX tify heights and orientations of all a | 3). If mounted on an | AM directional-arra | ry element, | | | Exhibit N VB-1 | lo. |
| | ctive Radiated Power: | | | .05 | kw (H*) | 0.05 | | |
| | RP in the horizontal plane | | | | kw (H≇) | | | (w (∨*) |
| | s beam tilt proposed? | | | | | | Yes | No |
| | f Yes, specify maximum ERP in the elevational plot of radiated field. | plane of the filted b $-{ m N/A}$ | | an Exhibit | a vertical kw (V*) | | Exhibit N/A | lo. |
| , | (Polarization | | · · · · · <u></u> | <u> </u> | | | ٠ | • |

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 3)

| 10. Is a directional antenna proposed? | | | | Yes X N |
|--|--|---|--|--------------------------------|
| If Yes, attach as an Exhibit a statement with all plot(s) and tabulations of horizontally and verticall field. | | | | Exhibit No. N/A |
| 11. Will the main studio be located within the 70 dBu | ı or 3.16 mV/m | contour? | | X Yes N |
| If No, attach as an Exhibit justification pursuant to | 47 C.F.R. Sectio | n 73.1125. | | Exhibit No. N/A |
| 12. Are there: (a) within 60 meters of the propositions from transmitters, or any nonbroadcast lexcept citizer blanketing contour, any established commercial facilities, or populated areas; or (c) within ten (1 or authorized FM or TV transmitters which may propose the proposition of the propositio | or government (0) kilometers of | receiving stations; receiving stations, the proposed ante | or (b) within the cable head-end nna, any proposed | X Yes . |
| If Yes, attach as an Exhibit a description of any esteps to be pursued if necessary, and a statement objectionable interference (including that caused facilities in existence or authorized or to radio new 17 C.F.R. Sections 73.315(b), 73.316(d) and 73.318. | t accepting full re by receiver-induc receivers in use p | sponsibility for the | elimination of any of modulation) to | Exhibit No. 2 |
| 13. Attach as an Exhibit a 7.5 minute series U.S. Ge clearly, legibly, and accurately, the location of the with the requirements set forth in Instruction D f display the original printed contour lines and data bear a scale of distance in kilometers. Murrysville, PA | proposed transmore for Section V. Fur | nitting antenna. This ther, the map must | map must comply clearly and legibly | Exhibit No. VB-3A& VB-3B |
| 14. Attach as an Exhibit Iname the source! a map whoriginal printed latitude and longitude markings and Pittsburgh, PA | | | rately, and with the | Exhibit No. VB-4A& VB-4B |
| (a) the proposed transmitter location, and the radio | als along with pro | file graphs have be | en prepared; | |
| (b) the 1 mV/m predicted contour and, for commercial channel, the 3.16 mV/m contour; and | noncommercial | educational applicar | nts applying on a | |
| (c) the legal boundaries of the principal community | y to be served. | | | |
| 15. Specify area in square kilometers (1 sq. mi. = predicted 1 mV/m contour. | 2.59 sq. km.) and | population (latest | census) within the | |
| Area <u>163</u> sq. km. | Population9 | 0.157 | | |
| 16. Attach as an Exhibit a map (Sectional Aeronautical posed 1 mV/m (60 dbu) contours. | l charts where ob | tainable? Showing th | • | Exhibit No. N/A |
| Enter the following from Exhibit above: | Gain Area Loss Area | N/A N/A | sq. mi | |
| Percent change (gain area plus loss area as percent for more this constitutes a major change. | | | %. accordingly. | |

| (| Chart or equivalen | | h as an Exhibit a map (Sectional Aeronautical ately, and with latitude and longitude markings | Exhibit No. N/A | | |
|-----|--|--|---|---------------------------------|--|--|
| (| (a) the proposed auxiliary 1 mV/m contour; and | | | | | |
| | | | which the applied-for facility will be auxiliary. See 47 CF.R. Section 73.1675. (File | | | |
| 18. | Terrain and cover | age data Ito be calculated in accordance i | with 47 C.F.R. Section 73.3131. | | | |
| | Source of terrain | n data: Icheck only one box below? | | | | |
| | Linearly inte | rpolated 30-second database | 7.5 minute topographic map | | | |
| | (Source: | · · · · · · · · · · · · · · · · · · · | | | | |
| | X Other (brid | From the data tal ofly summerized on file with the quadrangle map/ | ken from WPTT (formerly WPFO) stat: FCC, and verified by using $7\frac{1}{2}$ minu | ion records, ite toprgraphic | | |
| | Bartist barrier | Height of radiation center above | Predicted Distances | | | |
| | Radial bearing | average elevation of radial from 3 to 16 km | to the 1 mV/m contour | | | |
| | (degrees True) | (meters) | (kilometers) | | | |
| | 0 | 67.2 | 7.0 | • | | |
| | 45 | 30.3 | 4.7 | | | |
| | 90 | 50.2 | 6.1 | | | |
| | 135 | 52.9 | 6.3 | | | |
| | 180 | 79.4 | 7.7 | | | |
| | 225 | 93.7 | 8.4 | | | |
| | 270 | 74.2 | 7.4 | | | |
| | 3 15 | 88.9 | 8.1 | | | |
| 19. | is the proposed | (See Subpart C of | on Studies 47 C.F.R. Part 731 (199 miles) of the common border between | Yes X No | | |
| | the United States | | The second of the common policy bottom | ۳۰ لها ۳۰۰ ل | | |
| | | America and the United Mexican States | h all provisions of the Agreement between the concerning Frequency Modulation Broadcasting | Exhibit No. | | |

| 20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada? | X Yes No |
|---|---------------------|
| If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201–300 under The Canada-United States FM Agreement of 1947. | Exhibit No. VB-5 |
| 21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following: See Engineering Statement— Table I, Table IV | Exhibit No. VB-6 |
| (a) The normally protected interference-free and the interfering contours for the proposed operation along all azmuths. (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused. (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received. (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference. (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities. (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof. (g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified. (h) The name of the map(s) used in the Exhibit(s). | |
| 22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ Iseparation requirements involving intermediate frequency (i.f.) interference). | Exhibit No. N/A |
| 23.(a) Is the proposed operation on Channel 218, 219, or 220? | Yes X No |
| (b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207? | Yes No N/A |
| (c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223. | Exhibit No. N/A |
| (d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose. | Exhibit No. N/A |

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)

| | (e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete | Exhibit No. |
|-----|--|--------------|
| | engineering study to establish the lack of prohibited overlap of contours involving affected stations. | N/A |
| | The engineering study must include the following: | |
| | | |
| | (1) Protected and interfering contours, in all directions (360°), for the proposed operation. | |
| | (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, | |
| | applications and allotments, including a plot showing each transmitter location, with identifying call | |
| | letters or file numbers, and indication of whether facility is operating or proposed. For vacant | |
| | allotments, use the reference coordinates as transmitter location. | |
| | (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger | |
| | scale to clearly show prohibited overlap will not occur. | |
| | (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire | |
| | exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified. | |
| | (5) The official title(s) of the map(s) used in the exhibits(s). | |
| | | |
| | | |
| 24 | ls the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) | X Yes |
| 24. | and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined | |
| | in 47 C.F.R. Section 73.525? | |
| | 11 47 CJ /n. Gettion 75,525: | • |
| | If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties or | Exhibit No. |
| | a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section | VB-7A & |
| | 73.525 for each affected TV Channel 6 station. | VB-7B |
| | See Engineering Statement - Table II & Table V | |
| 25 | . Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)? | Yes x |
| | | |
| | If Yes, attach as an Exhibit information required in 1/. [Except for Class D (secondary) proposals.] | Exhibit No. |
| | | N/A |
| | | |
| 26 | Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.) | |
| | | |
| | Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that | Yes x |
| | it may have a significant environmental impact? | |
| | Management Was as back as as Fighting as Fighting as the second of the s | Contract No. |
| | If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311. | Exhibit No. |

See Exhibit VB-8

If No, explain briefly why not.

Section 1.1306 of the FCC Rules and Regulations. **CERTFICATION**

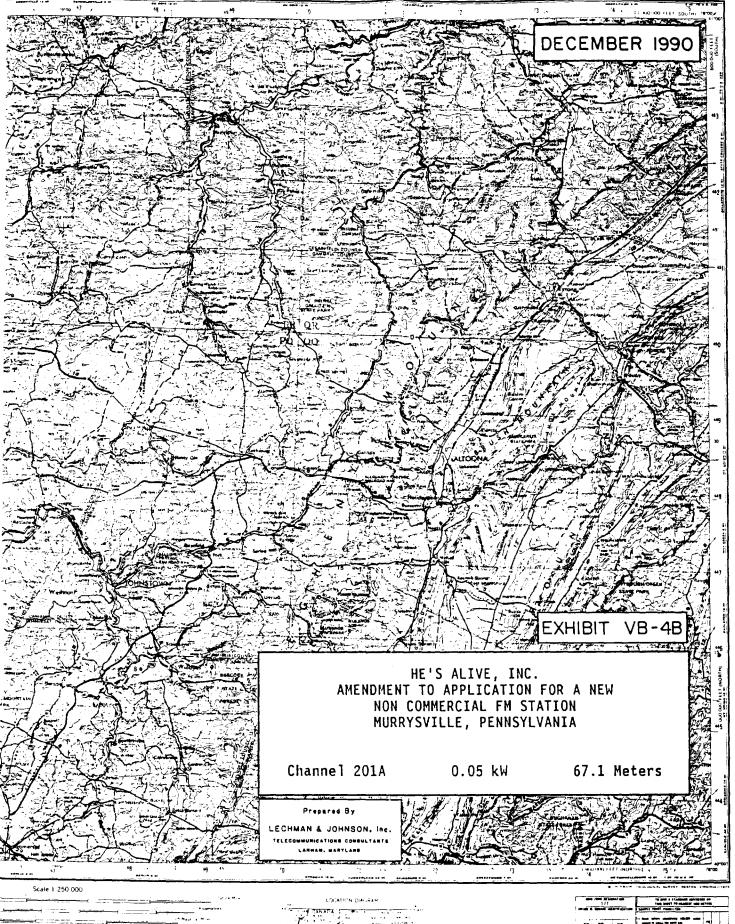
The proposed site is categorically excluded from

environmental processing under the provisions of

N/A

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

| Name (Typed or Printed) | Relationship to Applicant le.g., Consulting Engineer) |
|-----------------------------|---|
| LALIN FONSEKA | Telecommunications Consultant |
| Signature Laliu-fun seka | Address (Include 21P Code) LECHMAN & JOHNSON, INC. 9500 Annapolis Road, Suite C-1 Lanham, Maryland 20706 |
| Date | Telephone No. (Include Area Code) |
| December 13, 1990 | (301) 577-0800 |



SICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

CONTOUR INTERVAL 100 FEET
PREMENTARY CONTOURS AT 50 FOOT INTERVALS
TRANSVEHSE MERICATOR PROJECTION
NS MOREST FOR VISITABLE MERICATOR AND TRANSVEHSE MERICATOR PROJECTION
NS MOREST FOR VISITABLE MERICAN FROM A TRANSVERSE AND TRANSVER

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PITTSBURGH, PENNSYLVANIA

